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Alexander

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[54] **INTERACTIVE DATA VISUALIZATION WITH SMART OBJECT**

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[57] ABSTRACT

A computer analysis tool enables an operator to analyze and visualize more effectively data objects having a large number of individual physical attributes. In the tool, one or more visual attribute icons are generated on the screen of a display monitor. Each of the visual attribute icons displays values of a sub-set of the total physical attributes of the data objects residing in computer memory in terms of different graphic characteristics. In addition, a physical attribute icon is generated for each of the data objects and may be selectively displayed on the screen of the monitor. Each physical attribute icon identifies all of the physical attributes of its data object available in computer memory. The operator selects from the physical attribute icons, typically with the aid of an input device such as a mouse, the sub-sets of physical attributes to be displayed in the visual attribute icons.

25 Claims, 4 Drawing Sheets

